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- (71) Applicant (for all designated States except US): MERCK & CO., INC. [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BROCKUNIER, Linda [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US). PARMEE, Emma [GB/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US). WEBER, Ann, E. [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US).
- (74) Common Representative: MERCK & CO., INC.; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US).

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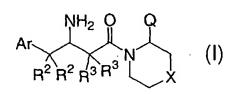
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(54) Title: DIPEPTIDYL PEPTIDASE INHIBITORS FOR THE TREATMENT OF DIABETES



(57) Abstract: Compounds having Formula (I), including pharmaceutically acceptable salts and prodrugs thereof are inhibitors of the dipeptidyl peptidase-IV enzyme (DP-IV), and are useful in the treatment of DP-IV mediated diseases and conditions, such as non-insulin dependent diabetes mellitus.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/19441

IPC(7)	SIFICATION OF SUBJECT MATTER : A61K 31/445,31/4453,31/495,31/496,31/506, 1/04,265/30,295/185,401/04,401/06,403/04,403/06, : 514/237.5,252.13.,255.01,330; 544/162,376	,405/10,409/06,417/04						
B. FIEL	DS SEARCHED							
Minimum documentation searched (classification system followed by classification symbols) U.S.: 514/237.5,252.13,255.01,330; 544/162,376,379,391; 546/226								
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched								
	ata base consulted during the international search (na B STRUCTURE SEARCH	ame of data base and, where practicable, search terms u	sed)					
C. DOC	UMENTS CONSIDERED TO BE RELEVANT							
Category *	Citation of document, with indication, where a	appropriate, of the relevant passages Relevant to	claim No.					
Х	US 4,386,090 A (MOINET et al.) 31 may 1983, se Formulae XII and XVI and Table III, compound no	see especially columns 5 and 6, 1-3,	5-10					
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		<i>:</i> .						
Further	documents are listed in the continuation of Box C.	See patent family annex.						
	pecial categories of cited documents:	"T" later document published after the international filing da	te or priority					
"A" document	defining the general state of the art which is not considered to be lar relevance	date and not in couflict with the application but cited to principle or theory underlying the invention	mderstand the					
"E" earlier ap	plication or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention considered novel or cannot be considered to involve an involve the document is taken alone	cannot be nyentive step					
"L" document establish t specified)	which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	document of particular relevance; the claimed invention considered to involve an inventive step when the document combined with one or mure other such documents, such	ent is					
	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the art	Cummingun					
	published prior to the international filing date but later than the ate claimed	"&" document member of the same patent family						
Date of the a	ctual completion of the international search	Date of mailing of the international search report						
	r 2002 (18.09.2002)	13 DEC 2007						
Com Box	ailing address of the ISA/US unissioner of Patents and Trademarks PCT hington, D.C. 20231	Adultorised offices Jaulsence	for					
	o. (703)305-3230	Telephone No. (703) 308-1235						

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/19441

Box I Obse	Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)						
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:							
1.	Claim Nos.:						
	because they relate to subject matter not required to be searched by the	his Authority, namely:					
	•						
2.	Claim Nos.: 1-10 (in part),11,12-35 (in part)						
	because they relate to parts of the international application that do no						
	such an extent that no meaningful international search can be carried Please See Continuation Sheet	out, specifically:					
	•	•					
3.	Claim Nos.:						
6.4(a).	because they are dependent claims and are not drafted in accordance).	with the second and third sentences of Kule					
	Observations where unity of invention is lacking (Continuation	of Item 2 of first sheet)					
This Internat	ational Searching Authority found multiple inventions in this internation	el application as follows:					
111111111111111111111111111111111111111	ational scattering reasons; round manapie in controls in the meeting con-	ai application, as ionows.					
		·					
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1.	As all required additional search fees were timely paid by the applica searchable claims.	nt, this international search report covers all					
2.	As all searchable claims could be searched without effort justifying a payment of any additional fee.	n additional fee, this Authority did not invite					
3.	As only some of the required additional search fees were timely paid	by the applicant, this international search					
—	report covers only those claims for which fees were paid, specifically						
		•					
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4.	No required additional search fees were timely paid by the applicant. is restricted to the invention first mentioned in the claims; it is covered						
Remark on I							
	No protest accompanied the payment of additional	search fees.					

ily classified. The claims (1-10,12-35) h	nerically set forth in the claims result in a multitude of permutations which cannot have been searched based on the nature of the Ar variables. Claim 11 could not ed in this claim has not been particularly described in the description and thus no made.	be
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Form PCT/ISA/210 (second sheet) (July 1998)

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